

ABSTRACT OF THE DISCLOSURE

An RFID reader for use in a security network based upon RFID techniques. The RFID reader can use wireless communications to communicate with RFID transponders and other devices in the security network. The RFID reader of the security network can be provided with multiple

5 modulation techniques, multiple antennas, and the capability to vary its power level and carrier frequency. The RFID reader can transmit RF energy useful for detecting motion or for charging the batteries in RFID transponders. The RFID reader can contain an audio transducer, a camera, or various environmental sensors to detect parameters such as smoke, temperature, and water, among others. The program code of the RFID reader can be updated. A master controller within
10 the security network can control operations within the RFID reader.